

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-017327**Date Inspected:** 30-Sep-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** OBG, Tower**Summary of Items Observed:**

On this day Caltrans OSM Quality Assurance (QA) Inspector Christopher D'souza was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhen Hua Port Machinery Company (ZPMC) at Chang Xing Island in Shanghai, China. QA Inspector observed and/or found the following:

Bay 3

B-CWR 1820 (Buttering)

This QA Inspector was notified via email for verification of B – CWR1820R1 at 1400 hours the following was observed:

- The component for verification was identified as FB3266
- Buttering was required between FB3266 X4582(SPCM) and 4593N to reduce root gap
- ZPMC CWI Li Zhi Jiang was present on site to direct and record all repair work.

Trial Assembly (D-scan)

B-CWR 1970 Rev 0

This QA Inspector was notified via email for verification of B – CWR1970 R0 at 1630 hours the following was observed:

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- The component for verification was identified as CA077-006 10CW+11AW DP to EP @ W2
- Weld repair was to be performed on locations where rejectable indications were found to to ultrasonic testing
- ZPMC CWI Gu Rong Jian was present on site to direct and record all repair work.

B-CWR 1968 Rev 0

This QA Inspector was notified via email for verification of B – CWR1968 R0 at 1630 hours the following was observed:

- The component for verification was identified as OBE10C-003 10BE+10CE bottom plate splice
- Weld repair was to be performed on locations where rejectable indications were found to to ultrasonic testing
- ZPMC CWI Gu Rong Jian was present on site to direct and record all repair work.

B-CWR 1969 Rev 0

This QA Inspector was notified via email for verification of B – CWR1969 R0 at 1630 hours the following was observed:

- The component for verification was identified as OBE10C-004, 005 10BE+10CE side plate splice
- Weld repair was to be performed on locations where rejectable indications were found to to ultrasonic testing
- ZPMC CWI Gu Rong Jian was present on site to direct and record all repair work.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

### Summary of Conversations:

No relevant conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Dsouza,Christopher	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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